

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 10824882
 Filing Date Herewith
 First Named Inventor Kenneth A. Langland
 Art Unit 2878
 Examiner Name TONY KO
 Attorney Docket Number 290050.00020

Sheet 1 of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TK		US- 3,619,058	11/1971	Hewlett, et al.	
TK		US- 3,728,026	04/1973	Idestrom, et al.	
TK		US- 3,752,581	08/1973	Everest, et al.	
TK		US- 3,900,260	08/1975	Wendt	
TK		US- 3,996,476	12/1976	Lazzara	
TK		US- 4,113,381	09/1978	Epstein	
TK		US- 4,113,831	09/1978	Epstein	
TK		US- 4,153,366	05/1979	Mamon, et al.	
TK		US- 4,159,873	07/1979	Farnsworth	
TK		US- 4,498,764	02/1985	Bolkow, et al.	
TK		US- 4,521,107	06/1985	Chaborski, et al.	
TK		US- 4,605,081	08/1986	Helmly, Jr., et al.	
TK		US- 4,614,968	09/1986	Rattman, et al.	
TK		US- 4,626,053	12/1986	Fayfield	
TK		US- 4,644,341	02/1987	Warner	
TK		US- 4,699,508	10/1987	Bolkow, et al.	
TK		US- 4,790,402	12/1988	Field, et al.	
TK		US- 4,846,297	07/1989	Field, et al.	
TK		US- 4,851,660	07/1989	Juds, et al.	

FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	<u>1/17/06</u>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **2** of **4**

Complete if Known

Application Number **1018024882**
 Filing Date **Herewith**
 First Named Inventor **Kenneth A. Langland**
 Art Unit **2878**
 Examiner Name **TOU & KO**
 Attorney Docket Number **290050.00020**

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		Number-Kind Code ² (if known)			
TK		US- 4,878,407	11/1989	Harrison, et al.	
TK		US- 4,880,966	11/1989	Goodrich, et al.	
TK		US- 4,931,631	6/1990	Jackson	
TK		US- 4,961,490	10/1990	Risko, et al.	
TK		US- 4,996,468	02/1991	Field, et al.	
TK		US- 5,054,911	10/1991	Ohishi, et al.	
TK		US- 5,056,437	10/1991	Maddock	
TK		US- 5,198,664	03/1993	Fayfield	
TK		US- 5,200,607	04/1993	Klima	
TK		US- 5,206,697	04/1993	Schwartz	
TK		US- 5,247,184	09/1993	Kimball	
TK		US- 5,322,074	06/1994	Cross, Jr.	
TK		US- 5,326,968	07/1994	Johnson, et al.	
TK		US- 5,331,150	07/1994	Marsh	
TK		US- 5,477,869	12/1995	Cross, Jr.	
TK		US- 5,496,996	03/1996	Barnes, et al.	
TK		US- 5,500,523	03/1996	Hamanaka	
TK		US- 5,559,496	09/1996	Dubats	
TK		US- 6,560,537	10/1996	Sadler, et al.	

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Examiner Signature		Date Considered	1/17/96
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Sheet **3** of **4**

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Application Number	10824882
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First Named Inventor	Kenneth A. Langland
Art Unit	2878
Examiner Name	TOURKO
Attorney Docket Number	290050.00020

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		Number-Kind Code ² (if known)			
TK		US- 5,563,798	10/1996	Berken, et al.	
TK		US- 5,600,906	02/1997	Hamid	
TK		US- 5,642,850	07/1997	Sadler, et al.	
TK		US- 5,663,621	09/1997	Popat	
TK		US- 5,684,596	11/1997	Eslinger, et al.	
TK		US- 5,685,987	11/1997	Hixon, Jr., et al.	
TK		US- 5,707,523	01/1998	Temple	
TK		US- 5,729,024	03/1998	Baba, et al.	
TK		US- 5,740,062	04/1998	Berken, et al.	
TK		US- 5,749,821	05/1998	Simmons	
TK		US- 5,755,550	05/1998	Brandt, et al.	
TK		US- 5,757,489	05/1998	Kawakami	
TK		US- 5,767,971	06/1998	Kawai, et al.	
TK		US- 5,818,062	10/1998	Baba, et al.	
TK		US- 5,828,056	10/1998	Alderman, et al.	
TK		US- 5,828,456	10/1998	Aoki, et al.	
TK		US- 5,829,231	11/1998	Harding, et al.	
TK		US- 5,868,657	02/1999	Simmons	
TK		US- 5,872,646	02/1999	Alderman, et al.	

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Sheet 4 of 4

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First Named Inventor Kenneth A. Langland
Art Unit 162878
Examiner Name TONY KO
Attorney Docket Number 290050.00020

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TK		US- 5,879,626	03/1999	Watterson, et al.	
TK		US- 5,880,822	03/1999	Kubo	
TK		US- 5,929,436	07/1999	Baba, et al.	
TK		US- 5,941,444	08/1999	Sadler, et al.	
TK		US- 6,010,223	01/2000	Gubela, Sr.	
TK		US- 6,018,159	01/2000	Alderman, et al.	
TK		US- 6,036,209	03/2000	Tsumura, et al.	
TK		US- 6,151,185	11/2000	Ishizuka, et al.	
TK		US- 6,186,388	02/2001	Sadler, et al.	
TK		US- 6,198,540	03/2001	Ueda, et al.	
TK		US- 6,213,680	04/2001	Schaeffer, et al.	
TK		US- 6,229,598	05/2001	Yoshida	
TK		US- 6,279,881	08/2001	Nishi	
TK		US- 6,344,656	02/2002	Hopkins, et al.	
TK		US- 6,377,167	04/2002	Juds, et al.	
TK		US- 6,403,223	06/2002	Albro, et al.	
TK		US- 6,412,535	07/2002	Barolovits, et al.	
TK		US- 6,433,332	08/2002	Chin, et al.	
TK		US-			

FOREIGN PATENT DOCUMENTS

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